

Jiajie Xu

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

1,153
citations

686830

13
h-index

610482

24
g-index

29
all docs

29
docs citations

29
times ranked

1166
citing authors

#	ARTICLE	IF	CITATIONS
1	Continuous extraction and concentration of secreted metabolites from engineered microbes using membrane technology. <i>Green Chemistry</i> , 2022, 24, 5479-5489.	4.6	18
2	Near-neutral pH increased n-caprylate production in a microbiome with product inhibition of methanogenesis. <i>Chemical Engineering Journal</i> , 2022, 446, 137170.	6.6	13
3	Resistance assessment of microbial electrosynthesis for biochemical production to changes in delivery methods and CO ₂ flow rates. <i>Bioresource Technology</i> , 2021, 319, 124177.	4.8	30
4	Enrichment of salt-tolerant CO ₂ -fixing communities in microbial electrosynthesis systems using porous ceramic hollow tube wrapped with carbon cloth as cathode and for CO ₂ supply. <i>Science of the Total Environment</i> , 2021, 766, 142668.	3.9	17
5	Long-Term Continuous Extraction of Medium-Chain Carboxylates by Pertraction With Submerged Hollow-Fiber Membranes. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 726946.	2.0	7
6	Direct extraction of lipids from wet microalgae slurries by super-high hydrostatic pressure. <i>Algal Research</i> , 2021, 58, 102412.	2.4	13
7	Acetate-to-bioproducts by chain elongation microbiome catalysis under applied voltage regulation. <i>Energy Conversion and Management</i> , 2021, 248, 114804.	4.4	13
8	Direct Medium-Chain Carboxylic Acid Oil Separation from a Bioreactor by an Electrodialysis/Phase Separation Cell. <i>Environmental Science & Technology</i> , 2021, 55, 634-644.	4.6	22
9	Effects of the Sex Factor on Mouse Iodine Intake: Interactions between the Gut Microbiota Composition and Metabolic Syndromes. <i>ACS Omega</i> , 2021, 6, 28569-28578.	1.6	2
10	Efficient solar-to-acetate conversion from CO ₂ through microbial electrosynthesis coupled with stable photoanode. <i>Applied Energy</i> , 2020, 278, 115684.	5.1	30
11	Bioconversion of swine manure into high-value products of medium chain fatty acids. <i>Waste Management</i> , 2020, 113, 478-487.	3.7	28
12	Microbial electrosynthesis from CO ₂ : Challenges, opportunities and perspectives in the context of circular bioeconomy. <i>Bioresource Technology</i> , 2020, 302, 122863.	4.8	188
13	Temperature-Phased Conversion of Acid Whey Waste Into Medium-Chain Carboxylic Acids via Lactic Acid: No External e-Donor. <i>Joule</i> , 2019, 3, 885-888.	11.7	9
14	Integrating electrochemical, biological, physical, and thermochemical process units to expand the applicability of anaerobic digestion. <i>Bioresource Technology</i> , 2018, 247, 1085-1094.	4.8	49
15	Temperature-Phased Conversion of Acid Whey Waste Into Medium-Chain Carboxylic Acids via Lactic Acid: No External e-Donor. <i>Joule</i> , 2018, 2, 280-295.	11.7	132
16	In vitro and in vivo anti-oxidation and anti-fatigue effect of monkfish liver hydrolysate. <i>Food Bioscience</i> , 2017, 18, 9-14.	2.0	32
17	Production of drop-in fuels from biomass at high selectivity by combined microbial and electrochemical conversion. <i>Energy and Environmental Science</i> , 2017, 10, 2231-2244.	15.6	126
18	Analysis of Urine Composition in Type II Diabetic Mice after Intervention Therapy Using Holothurian Polypeptides. <i>Frontiers in Chemistry</i> , 2017, 5, 54.	1.8	13

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19	A Comparison of Molecular Biology Mechanism of <i>Shewanella putrefaciens</i> between Fresh and Terrestrial Sewage Wastewater. <i>Frontiers in Bioengineering and Biotechnology</i> , 2016, 4, 86.	2.0	5
20	Waste Conversion into n-Caprylate and n-Caproate: Resource Recovery from Wine Lees Using Anaerobic Reactor Microbiomes and In-line Extraction. <i>Frontiers in Microbiology</i> , 2016, 7, 1892.	1.5	108
21	Selective colonization mechanism of <i>Shewanella putrefaciens</i> in dyeing wastewater outlets. <i>RSC Advances</i> , 2016, 6, 102703-102709.	1.7	4
22	Microbiomes and Electroorganic Synthesis – A Fruitful Liaison for the Production of Renewable Chemicals?!. <i>Chemie-Ingenieur-Technik</i> , 2016, 88, 1252-1252.	0.4	0
23	In-line and selective phase separation of medium-chain carboxylic acids using membrane electrolysis. <i>Chemical Communications</i> , 2015, 51, 6847-6850.	2.2	117
24	Characterization of <i>Enterobacter cloacae</i> under phoxim stress by two-dimensional gel electrophoresis. <i>Biotechnology and Bioprocess Engineering</i> , 2015, 20, 403-409.	1.4	10
25	Study on effect of jellyfish collagen hydrolysate on anti-fatigue and anti-oxidation. <i>Food Hydrocolloids</i> , 2011, 25, 1350-1353.	5.6	166
26	Two-Phase Bioconversion of Greek-Yogurt Waste Into Medium-Chain Carboxylic Acid Oil <i>via</i> Lactic Acid Without External Electron Donor Addition. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1